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CENTRAL INTELLIGENCE AGENCY

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AND 784, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REV. Lation of Its contents to or receipt by an unauthorized person

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SOURCE

Promyshlennaya Energetika, No 4, 1950, p 16.

NEW SOVIET BOOKS ON INDUSTRIAL POWER ANNOUNCED IN APRIL 1950

 "Methods of Utilizing Exhaust Steam in Industrial Enterprises," B. I. Genkin, Gosenergoizdat, Moscow and Leningrad, 1949, 40 pp with diagrams, 3,200 copies, R (rubles) 2.50.

Methods of utilizing exhaust steam. Apparatus for cleaning steam and oil condensates. Mixing preheaters. Method of determining heat economy in utilizing exhaust steam.

2. "Theoretical Bases for Automatic Control of Thermal Processes," S. G. Gerasimov, Gosenergoizdat, Moscow and Leningrad, 1949, 328 pp with illust and diagrams, 4,300 copies, bound, R 18.50.

Investigates basic premises of the theory or automatic control of thermal engineering processes. Gives method of approximate computation of control. Examines principal systems of regulating boiler units and installations for preparation of pulverized coal.

3. "Fundamentals of Thermal Engineering (Manual for Training Working Cadres and Intermediate Engineering Personnel)," A. M. Litvin, Gosenergoizdat, Moscow and Leningrad, fourth editica, revised and supplemented, 1949, 224 pp with illust 15,000 copies, bound, R 14.00.

Magnitudes and measurements. Preliminary physical and chemical information. Gases and steam as working media. Conversion of heat energy. Heat exchange.

4. "Maintenance of Electrical Shop Equipment,": L. B. Rivlin, Gosenergoizdat, Leningrad and Moscow, second edition, revised, 1949, 364 pp with illust, 15,000 copies, bound, R 10.00.

States the fundamental operational principles of electric motors and their regulating devices and gives instructions on operation of workshop equipment. Intended as textbook to train electricians in servicing industrial electrical equipment.

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5. "II-TR and Yu-10 Electric Contact Locomotives for Mines,": A. P. Safronov, A. I. Yushchenko, Ugletekhizdat, Moscow, 1949, 107 pp with illust and one inset, 3,000 copies, bound, R 13.00.

Description of the mechanics and electrical equipment of electric locomotives. Instructions for overhauling, repairs, and operation. Possible troubles and their elimination.

6. "Electric Loads and Primary Distribution of Electric Power in Industrial Enterprises," M. I. Slavnin, Gosenergoizdat, Moscow and Leningrad, 1949, pp with diagrams, 4,000 copies, bound, R 13.00.

Analyzes electric loads, daily and annual graphs, prices of electric power, selection of voltages, and basic demands of industrial enterprises for electric power supply. States problems connected with reliable supply and determination of number and power of transformer substations and transformers for them. Examines supply systems and switching systems for 6-10 and 35-kv industrial substations.

7. "Synchronous Transmission and the Follower Drive," D. V. Spitsyn, Military Engineering Red Banner Academy imeni Kuybyshev, Moscow, 1949, 276 pp with

States fundamental principles of theory of synchronous transmission and follower drives, cites characteristic examples of various types of synchros and followers and considers methods of computing the basic elements of this special drive.

8. "Theory and Practice in Ore Electrothermics," Collected Works of the Electrothermics Laboratory, Ural Scientific Research Chemical Institute, Metallurgizdat, Sverdlovsk and Moscow, 1948, 94 pp with illust and graphs, 500 copies, R 8.00.

Contains 20 articles on problems connected with electrothermics for non-temperature processes, and calculations for electric and thermal fields in electric ore furnaces.

9. "Servicing Normal-Pressure Steam Turbines", L. I. Tubyanskiy, Leningrad Metallurgical Plant imeni Stalin, Gosenergoizdat, Leningrad and Moscow, 1949, 224 pp with diagrams and insets, 4,000 copies, bound, R 23.00.

Description of turbine construction. Steam distribution and turbine control. Accessories and diagrams for turbine installations. Turbine operation. Instructions for servicing steam turbines, accessories, and boiler installations.

10. "Scientific and Technical Session on Electric Power Economy," Moscow Branch of the All-Union Scientific and Technical Society of Power Engineers, Moscow, 1949, 39 pp, 400 copies.

Reports presented at session.

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